



Certificate of Mailing

I hereby certify that this paper is being deposited with the United States Postal Service via First Class Mail and is addressed to Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450 on this 9th day of July, 2003.

*Debra L. Hale*  
Debra L. Hale

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: : Kaltenbacher et al.  
Title : **FLUORESCENCE BASED LIQUID  
CORE WAVEGUIDE**  
Serial No. : 09/869,653  
Filed: : December 22, 1999  
Based on International Application No. : PCT/US99/30774  
International Filing Date: : 22 December 1999  
Attorney Docket No. : 21422/04022

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

RECEIVED  
JUL 22 2003  
TC 2800 MAIL ROOM

TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

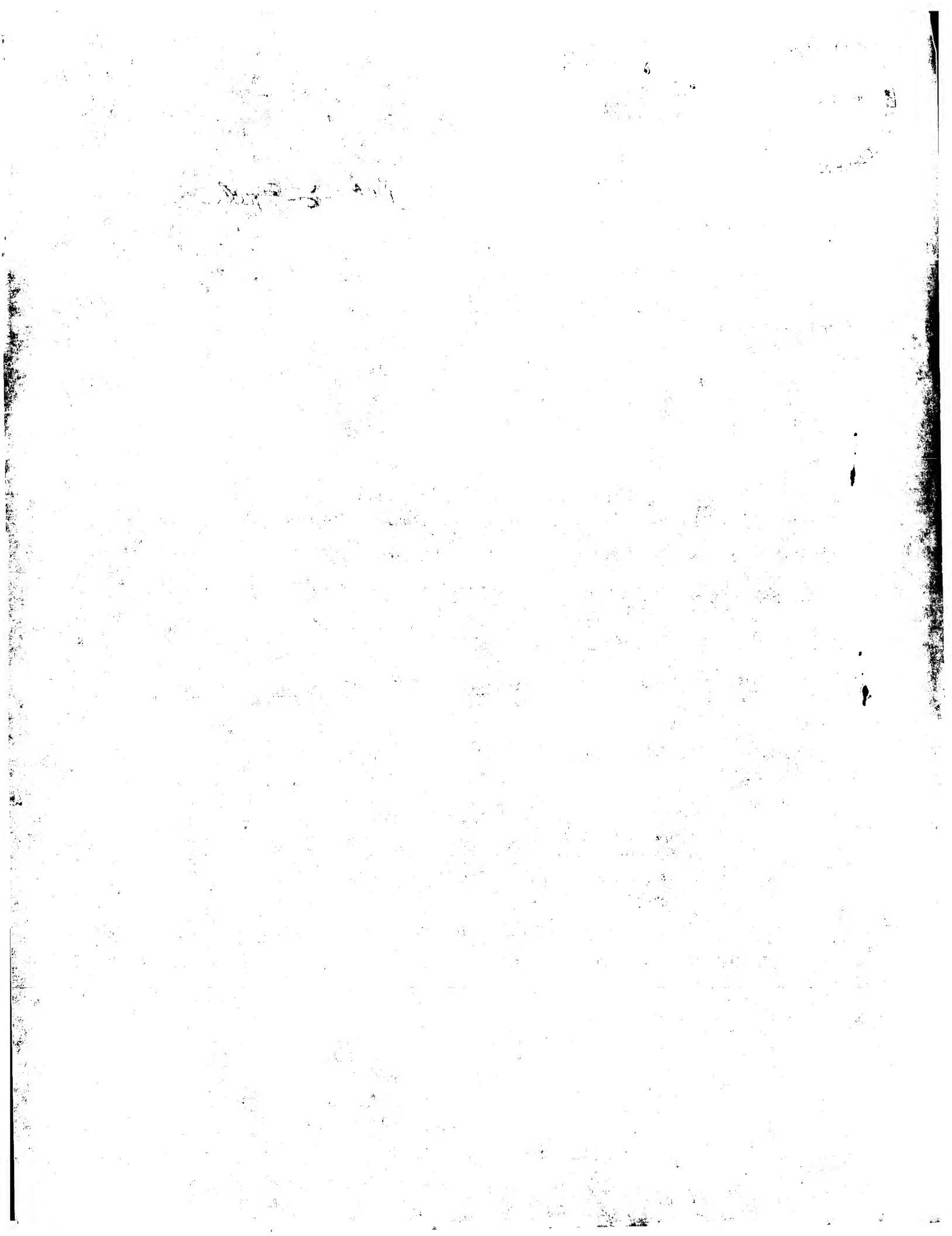
Transmitted herewith are the following:

1. Fee Transmittal;
2. Supplemental Information Disclosure Statement;
3. Form PTO-1449;
4. Eight (8) References;
5. Check in the amount of \$180.00; and
6. Return Receipt Postcard.

If any additional fee is due with this Supplemental Information Disclosure Statement, please charge our Deposit Account No. 03-0172.

Respectfully submitted,

*John E. Miller*  
John E. Miller, Reg. No. 26,206  
Telephone (216) 622-8679  
Facsimile (216) 241-0816









Certificate of Mailing

I hereby certify that this paper is being deposited with the United States Postal Service via First Class Mail and is addressed to Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450 on this 9th day of July, 2003.

*Debra L. Hale*

Debra L. Hale

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: : Kaltenbacher et al.  
Title : **FLUORESCENCE BASED LIQUID  
CORE WAVEGUIDE**  
Serial No. : 09/869,653  
Filed: : December 22, 1999  
Based on International Application No. : PCT/US99/30774  
International Filing Date: : 22 December 1999  
Attorney Docket No. : 21422/04022

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RECEIVED  
JUL 22 2003  
FC 2800 MAIL ROOM

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Applicants hereby submit a Supplemental Information Disclosure Statement, together with a Form PTO-1449 and copies of all references listed therein. This Supplemental Statement is presented to include documents uncovered in a recent Examination Report for a corresponding European application. The fee required under 37 C.F.R. §1.97(c)(2) accompanies this submission.

An English language abstract of German Patent No. DE 3529488 is also enclosed. Pursuant to 37 C.F.R. §1.198(a)(3), German Patent No. DE 3529488 appears relevant because (1) it was recently cited in the corresponding European application and (2) its English abstract and figures look relevant. A copy of the Examination Report in the corresponding European Application is also enclosed.

07/16/2003 FFANREIA 00000093 09869653

01 FC:1806

180.00 DP

{MMC0261.DOC;2}


108-79

~~SECRET~~

1000

If any additional fee is due with this Information Disclosure Statement, please charge our  
Deposit Account No. 03-0172.

Respectfully submitted,



---

John E. Miller, Reg. No. 26,206

Telephone (216) 622-8679

Facsimile (216) 241-0816





Please type a plus sign (+) inside this box → ☐ +

JUL 14 2003

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Supplement for form 1449A/PTO

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	09/869,653
Filing Date	December 22, 1999
First Named Inventor	Eric Kaltenbacher et al.
Group Art Unit	2874
Examiner Name	Jennifer Doan
Attorney Docket Number	21422/04022

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		5,606,170		Saaski et al	02-25-1997	
		4,852,666		Hirschfeld	03-18-1986	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup> (if known)	Kind Code <sup>5</sup>				
		DE	35 29 488 A		Guenther	02-19-1987		
		EP	A-0 708 323		ALBION INSTR INC	04-24-1996		

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		LACKI ET AL: 'LIQUID CORE WAVEGUIDE AS A FLUORESCENCE SENSOR' EUROSensors. PROCEEDINGS OF THE EUROPEAN CONFERENCE ON SOLID-STATE TRANSDUCERS AND THE UK CONFERENCE ON SENSORS AND THEIR APPLICATIONS, vol. 1, 13. September 1988, pages 343-346.	
		ALTKORN R ET AL: 'LOW-LOSS LIQUID-CORE OPTICAL FIBER FOR LOW REFRACTIVE-INDEX LIQUIDS: FABRICATION, CHARACTERIZATION, AND APPLICATION IN RAMAN SPECTROSCOPY' APPLIED OPTICS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, VOL. 36, no. 34, 1. December 1997, pages 8992-8998.	
		FUJIWARA K ET AL: 'LIQUID CORE OPTICAL FIBER TOTAL REFLECTION CELL AS A COLORIMETRIC DETECTOR FOR FLOW INJECTION ANALYSIS' ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, COLUMBUS, US, vol. 57, no. 6, 1985, pages 1012-1016.	
		ALTKORN R ET AL: 'WAVEGUIDE CAPILLARY CELL FOR LOW-REFRACTIVE-INDEX LIQUIDS' APPLIED SPECTROSCOPY, THE SOCIETY FOR APPLIED SPECTROSCOPY, BALTIMORE, US, vol. 51, no. 10, 1. October 1997, pages 1554-1558.	

Examiner  
SignatureDate  
Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademarks Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

